MAY 3 0 2006

PTO/SB/21 (09-04)

TRANSMIT	TAL MADEMARKO
FORM	

(to be used for all correspondence after initial filing)

May <u>25</u>, 2006

Tiffany Wu

		1 10 00 10 10 10 10 10 10 10 10 10 10 10	
Application Number	09/851,940	6970171	
Filing Date	May 10, 2001		
First Named Inventor	Baraff, David E.		
Art Unit	2671		
Examiner Name	Scott A. Wallace		
Attorney Docket Number	021751-002200US		

43,336

Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Fee Attached Licensing-related Papers of Appeals and Interferences Appeal Communication to TC Petition Amendment/Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final Proprietary Information Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Other Enclosure(s) (please identify **Extension of Time Request** Terminal Disclaimer below): Return Postcard **Express Abandonment Request** Request for Refund Request for Certificate of Correction Information Disclosure Statement PTO/SB/44 CD, Number of CD(s) Landscape Table on CD The Commissioner is authorized to charge any additional fees to Deposit Remarks Certified Copy of Priority Account 20-1430. Document(s) Certificate Reply to Missing Parts/ Incomplete Application JUN 0 1 2006 Reply to Missing Parts under 37 CFR 1.52 or 1.53 of Correction SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Townsend and Townsend and Crew LLP Signature S.B. Kotwal Printed name Sujit B. Kotwal Reg. No. Date

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
	Signature	

Typed or printed name

May 15, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Attorney Docket No. 021751-002200US

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

On 5 125 0 6 MAY 3 U 2006
TOWNSEND and TOWNSEND and CREW LLP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BARAFF et al.

Patent No.: 6,970,171 B2 (App. No. 09/851,940)

Filed: May 10, 2001

For: GLOBAL INTERSECTION ANALYSIS FOR DETERMINING INTERSECTIONS OF OBJECTS IN COMPUTER ANIMATION

Attn: Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Examiner:

Wallace, Scott A.

Art Unit:

2671

REQUEST FOR CERTIFICATE OF CORRECTION

Sir:

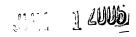
Pursuant to 37 CFR 1.322 Applicant submits a Certificate of Correction correcting printing errors made at the time of printing of the patent. No fee is required for this Certificate. The desired corrections are set forth on form PTO 1050, enclosed.

Respectfully submitted,

S.B. Kokwal

Sujit B. Kotwal Reg. No. 43,336

TOWNSEND and TOWNSEND and CREW LLP 379 Lytton Avenue Palo Alto, California 94301 (650) 326-2400 Fax (650) 326-2422 SBK:pb/km 60711054 v1



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO

6,970,171 B2

DATED

Nov. 29, 2005

INVENTOR(S)

Baraff et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the face sheet:

At item (54), in the second line of the title, please delete "INTESECTIONS" and insert -- INTERSECTIONS--.

On page 2:

7

Under OTHER PUBLICATIONS, in the second line of the first entry (Bridson), please delete "contract" and insert --contact--.

In the claims:

In claim 1, column 10 at line 62, please delete "path; and" and insert -- path, the determining comprising:

selecting an arbitrary edge of a mesh that crosses said intersection path where said arbitrary edge is formed by vertices u and v and where said mesh contains said intersection path;

performing a search of said mesh, radiating from one of said vertices u and v, identifying all vertices in all of said edges that cross said intersection path, and defining the set of vertices identified as a playpen;

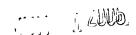
tracing said intersection path and identifying vertices, within said playpen, on a left side of said intersection path as left and retracing said intersection path in an opposite direction and identifying vertices, with said playpen, on a right side of said intersection path as right;

determining whether vertices adjacent to vertices identified as left and right lie outside of said playpen;

discarding said intersection path when at least one of both left and right identified vertices lie outside said playpen; and

determining whether at least one vertex adjacent to said right identified vertices lies outside said playpen; and

characterizing each of said left identified vertices as contained within said intersection path when at least one vertex adjacent to said right identified vertices lies



outside said playpen and characterizing each of said right identified vertices as contained within said intersection path when at least one vertex adjacent to said left identified vertices lies outside said playpen; and--.

In claim 2, column 11 at line 1, please delete "determining".

In claim 2, column 11 at line 8, please delete "add" and insert -- and --.

In claim 5, column 11 at line 39, please delete "comprises;" and insert -- comprises: --.

In claim 5, column 11 at line 47, please delete "disconnect regions" and insert -- disconnected region --.

In claim 6, column 12 at line 26, please delete "comprising;" and insert -- comprising: --. In claim 10, column 13 at line 41, please delete "comprises;" and insert -- comprises: --.

MAILING ADDRESS OF SENDER:

Sujit B. Kotwal Townsend and Townsend and Crew LLP Two Embarcadero Center, Eighth Floor San Francisco, CA 94111-3834 PATENT NO. 6,970,171

No. of additional copies: 1



This collection of information is required by 37 CFR 1.322., 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 24 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

60711087 v1

(will)